

THE FASTEST, EASIEST WAY TO CONTROL EAST-WEST TRAFFIC

MICROSEGMENTATION IN ANY ENVIRONMENT.
LIGHTWEIGHT. EFFICIENT.

THE PROBLEM

In recent years, there has been a growing need to control East-West traffic within data center networks. Advanced threats often bypass traditional firewalls, gain a foothold and then move laterally within the network.

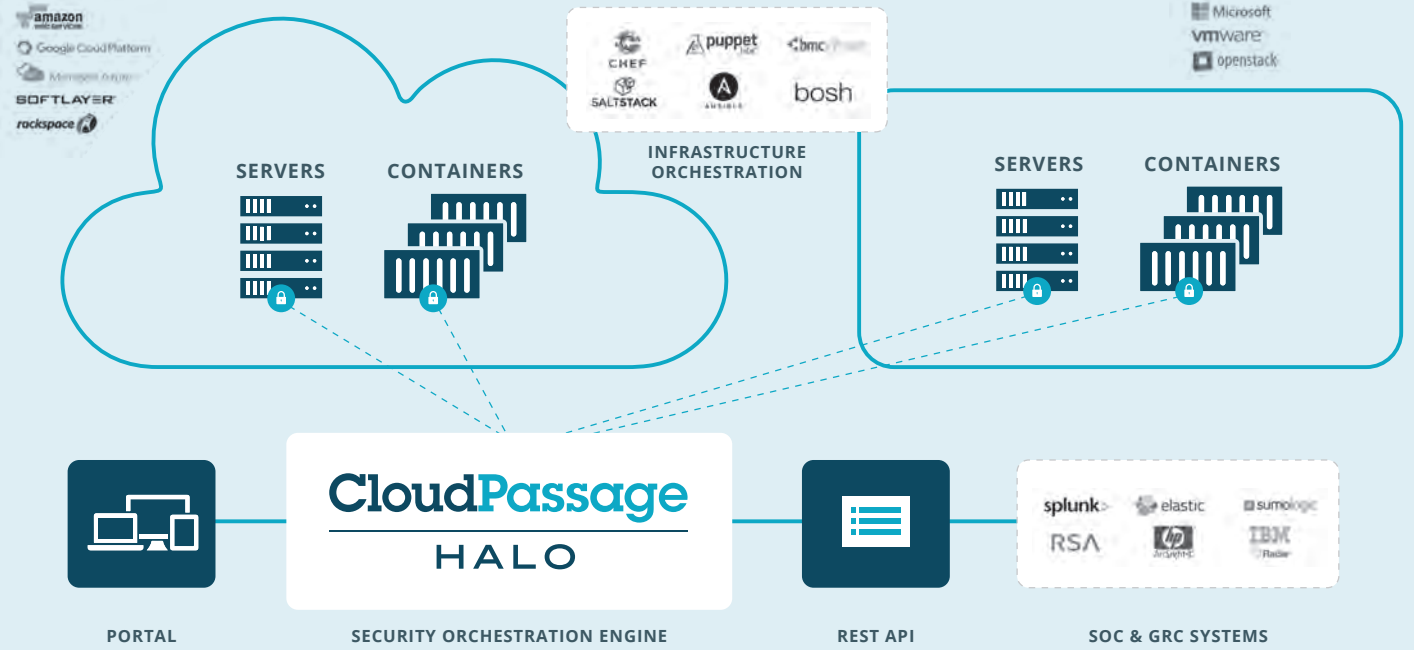
If your organization is moving to a flat network topology and/or a cloud environment, traditional network segmentation strategies will be complex or impossible to apply. As servers are rapidly provisioned and decommissioned, IP addresses change frequently, and it becomes difficult to continuously reprogram ACLs in routers, firewalls and switches. Proprietary “Software Defined Networking” products can do the job, but these products tend to be costly and difficult to implement, and they lock you into a single proprietary architecture and single operating environment.

THE SOLUTION: CLOUDPASSAGE HALO

The CloudPassage® Halo® agile security and compliance platform has been purpose-built to solve this problem. Halo uses a micro-agent that can be deployed automatically in any combination of data centers, private clouds or public clouds. This agent, combined with Halo's host firewall orchestration system, allows Halo to enforce granular network segmentation policies and protect against lateral movement inside your data centers and cloud environments.

Halo lets you define and enforce security policies on the basis of logical server groups. New workloads are automatically protected as soon as they are created, wherever they are created. Halo shows you the traffic patterns between your workloads and lets you define the network segmentation policies that make sense for your environment.

Halo is delivered as a service, so it's on-demand, fast and easy to deploy, built for automation, and works at any scale, anywhere—whether protecting bare metal servers or VMs in data centers, or cloud workloads in private and public clouds.



Halo works across any cloud or virtual infrastructure: public, private, hybrid, multi-cloud or virtualized data center — including bare metal.

THE POWER OF HALO



Instant microsegmentation

Protect workloads against all unauthorized traffic.



Reduce costs & improve efficiency

Eliminate manual processes and streamline work for security teams.



Automated security

New workloads automatically pick up security configuration and monitoring.



Generate & track audit logs

Ensure all critical activities are archived and readily available.



Scale on demand

On-demand security that scales with the business.



Stay portable & flexible

Deploy seamlessly across any cloud or virtual infrastructure.

HOW IT WORKS

TRAFFIC DISCOVERY

Discover and visualize the IP connection patterns and listening ports of your workloads and servers, both between Halo-protected systems as well as connections to and from remote systems. Traffic Discovery helps you create dynamic firewall policies with confidence, ensuring that you are not blocking desirable traffic.

WORKLOAD FIREWALL MANAGEMENT

Easily deploy and manage dynamic host firewall policies across all environments. Build firewall policies from a simple web-based interface, and assign them to groups of servers. Changes to host firewalls are orchestrated automatically based on policies as new servers are added, retired, or as IP address changes. These policies follow the workload no matter where the workload physically resides—data center, public cloud, private cloud.

AUTOMATED DEPLOYMENT

Halo uses an ultra-lightweight agent that can be deployed automatically via automated scripts or via popular orchestration tools that you are probably already using, such as Chef, Puppet, Ansible, SaltStack, Jenkins, BOSH, etc.

INSTANT SCALABILITY

Halo is delivered as a service so it can scale as rapidly as your IT automation systems can provision new workloads.

FULL API

The CloudPassage Halo platform supports an open, RESTful API that makes it easy to integrate with a range of security and operational solutions.

HOW IT IS DIFFERENT

1

Halo is fast.

Installation of agents can be totally automated.

2

Halo is portable.

It works in any environment—data centers, private clouds and public clouds.

3

Halo agents are extremely lightweight.

All security analytics are conducted on CloudPassage's servers, instead of your servers and cloud workloads.

4

Halo is comprehensive.

It includes a broad range of security controls at both the host and the network levels.

5

Halo is scalable.

Our customers routinely deploy Halo to over 10,000 workloads in just a few days.

ABOUT CLOUDPASSAGE

CloudPassage® Halo® is the world's leading agile security platform that empowers our customers to take full advantage of cloud infrastructure with the confidence that their critical business assets are protected. Halo delivers a comprehensive set of continuous security and compliance functions right where it counts—at the workload. Our platform orchestrates security on-demand, at any scale and works in any cloud or virtual infrastructure (private, public, hybrid or virtual data center). Leading enterprises like Citrix, Salesforce.com and Adobe use CloudPassage today to enhance their security and compliance posture, while at the same time enabling business agility.

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